

05-25-05

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PTO/SB/21 (03-03)

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**TRANSMITTAL  
FORM**

(to be used for all correspondence after initial filing)

Application Number 10/656,732

Filing Date September 4, 2003

First Named Inventor Manning

Art Unit 2811

Examiner Name J. Fenty

Attorney Docket Number MI22-2608

Total Number of Pages in This Submission

**ENCLOSURES (Check all that apply)**

- |                                                                              |                                                                           |                                                                                         |
|------------------------------------------------------------------------------|---------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| <input checked="" type="checkbox"/> Fee Transmittal Form                     | <input type="checkbox"/> Drawing(s)                                       | <input type="checkbox"/> After Allowance Communication to a Technology Center (TC)      |
| <input checked="" type="checkbox"/> Fee Attached                             | <input type="checkbox"/> Licensing-related Papers                         | <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences     |
| <input type="checkbox"/> Amendment/Reply                                     | <input type="checkbox"/> Petition                                         | <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) |
| <input type="checkbox"/> After Final                                         | <input type="checkbox"/> Petition to Convert to a Provisional Application | <input type="checkbox"/> Proprietary Information                                        |
| <input type="checkbox"/> Affidavits/declaration(s)                           | <input type="checkbox"/> Power of Attorney, Revocation                    | <input type="checkbox"/> Status Letter                                                  |
| <input type="checkbox"/> Extension of Time Request                           | <input type="checkbox"/> Change of Correspondence Address                 | <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):         |
| <input type="checkbox"/> Express Abandonment Request                         | <input type="checkbox"/> Terminal Disclaimer                              | Form PTO-1449; Return Receipt                                                           |
| <input checked="" type="checkbox"/> Information Disclosure Statement         | <input type="checkbox"/> Request for Refund                               | Postcard; Cited References(10)                                                          |
| <input type="checkbox"/> Certified Copy of Priority Document(s)              | <input type="checkbox"/> CD, Number of CD(s) _____                        |                                                                                         |
| <input type="checkbox"/> Response to Missing Parts/Incomplete Application    |                                                                           |                                                                                         |
| <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53 |                                                                           |                                                                                         |

Remarks

Additional Enclosure:  
A \$180.00 Check

EV550717217

**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**Firm or Individual David G. Latwesen Ph.D., Reg. No: 38,533  
Wells St. John, P.S.

Signature

Date

  
5/24/05**CERTIFICATE OF TRANSMISSION/MAILING**

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as express mail in an envelope addressed to: Commissioner for Patents, Washington, DC 20231 on this date: 5-24-05

Typed or printed Jim Tidrick

Signature

Date

5-24-05

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.



<b>Effective on 12/08/2004.</b> Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).		<b>Complete if Known</b>	
<b>FEE TRANSMITTAL</b> <b>For FY 2005</b>		Application Number	10/656,732
		Filing Date	9/4/2003
		First Named Inventor	Manning
		Examiner Name	J. Fenty
		Art Unit	2811
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27		Attorney Docket No.	MI22-2608
<b>TOTAL AMOUNT OF PAYMENT</b>		<b>(\$)</b>	<b>180.00</b>

**METHOD OF PAYMENT (check all that apply)**

☒ Check ☐ Credit Card ☐ Money Order ☐ None ☐ Other (please identify): \_\_\_\_\_

☒ Deposit Account Deposit Account Number: 23-0925 Deposit Account Name: Wells St. John, P.S.

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☐ Charge fee(s) indicated below, except for the filing fee

☒ Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17 ☒ Credit any overpayments

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**FEE CALCULATION**

**1. BASIC FILING, SEARCH, AND EXAMINATION FEES**

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

**2. EXCESS CLAIM FEES**

Fee Description	Fee (\$)	Small Entity Fee (\$)
Each claim over 20 (including Reissues)	50	25
Each independent claim over 3 (including Reissues)	200	100
Multiple dependent claims	360	180
<b>Total Claims</b>		
- 20 or HP = _____ x _____ = _____		
HP = highest number of total claims paid for, if greater than 20.		
<b>Indep. Claims</b>		
- 3 or HP = _____ x _____ = _____		
HP = highest number of independent claims paid for, if greater than 3.		

**3. APPLICATION SIZE FEE**

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee (\$)	Fees Paid (\$)
_____ - 100 = _____	_____ / 50 = _____	(round up to a whole number) x _____	= _____	

**4. OTHER FEE(S)**

Non-English Specification, \$130 fee (no small entity discount)	<b>Fees Paid (\$)</b>
Other (e.g., late filing surcharge): Supplemental Information Disclosure Statement	\$180.00

**SUBMITTED BY**

Signature		Registration No. (Attorney/Agent) 38,533	Telephone 509-624-4276
Name (Print/Type)	David G. Latwesen, Ph.D.	Date	5/24/05

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application Serial No. .... 10/656,732  
Confirmation No. .... 4772  
Filing Date ..... September 4, 2003  
Inventor..... H. Montgomery Manning  
Assignee..... Micron Technology, Inc.  
Group Art Unit..... 2811  
Examiner ..... J. Fenty  
Attorney's Docket No. .... MI22-2608  
Customer No. .... 021567  
Title: Support For Vertically Oriented Capacitors During the Formation of a Semiconductor Device

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

References -- See Attached Form PTO-1449

In compliance with 37 C.F.R. §§ 1.56, 1.97 and 1.98, your attention is directed to the United States patents and other references listed on the attached Form PTO-1449. No admission is made regarding whether all the submitted references are prior art.

EV550717217

Respectfully submitted,

Dated:

5/24/05


By:

David G. Latwesen, Ph.D.  
Reg. No. 38,533

05/26/2005 EFLORES 00000034 10656732

01 FC:1806

180.00 OP

Form PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. MI22-2608	SERIAL NO. 10/656,732
 <p>LIST OF ART CITED BY APPLICANT (Use several sheets if necessary)</p>		APPLICANT: H. Montgomery Manning	
		FILING DATE September 4, 2003	GROUP 2811

U.S. PATENT DOCUMENTS							
*Examiner's Initials		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	AA						
	AB						
	AC						

FOREIGN PATENT DOCUMENTS							
		Document Number	Date	Country	Class	Subclass	Translation
							Yes No
	AD	DE 4447804	1/2002	Germany	550717	217	Abstract
	AE						

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.)			
	AF		J. P. O'Sullivan et al., <i>The morphology and mechanism of formation of porous anodic films on aluminium</i> , PROC. ROY. SOC. LOND. A, Vol. 317, pp. 511-543 (1970)
	AG		S. Shingubara, <i>Fabrication of nanomaterials using porous alumina templates</i> , J. NANOPARTICLE RES., Vol. 5, pp. 17-30 (2003).
	AH		S. Tan et al., <i>High Aspect Ratio Microstructures on Porous Anodic Aluminum Oxide</i> , IEEE, pp. 267-272 (1995).
	AI		J. Liang et al., <i>Nonlithographic Fabrication of Lateral Superlattices for Nanometric Electromagnetic-Optic ...</i> IEEE J. SELECTED TOPICS IN QUANTUM ELECTR., Vol. 8, No. 5, pp. 998-1008 (Sept/Oct 2002).
	AJ		V. V. Konovalov et al., <i>Chemistry of Materials</i> , CHEM. MATER., Vol. 11, No. 8, pp. 1949-1951 (August 1999).
	AK		H. Masuda et al., <i>Highly ordered nanochannel-array architecture in anodic alumina</i> , App. Phys. Lett, Vol. 71, No. 19, pp. 2770-2772 (November 1997).
EXAMINER		DATE CONSIDERED	
<p>*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>			

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		FILING DATE September 4, 2003	GROUP 2811

U.S. PATENT DOCUMENTS							
*Examiner's Initials		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	AA						
	AB						
	AC						
	AD			EV550717217			
	AE						
	AF						
	AI						

FOREIGN PATENT DOCUMENTS								
		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No
	AJ							
	AK							
	AL							

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.)			
	AM		D. Crouse et al., <i>Self-Assembled Nanostructures Using Anodized Alumina Thin Films for Optoelectronic Applications</i> , IEEE, pp. 234-235 (1999).
	AN		A. Nadeem et al., <i>Fabrication of Microstructures Using Aluminum Anodization Techniques</i> , pp. 274-277 (pre-2004).
	AO		C. Y. Liu et al., <i>Ordered anodic alumina nanochannels on focused-ion-beam-prepatterned aluminum surfaces</i> , Appl. Phys. Lett., Vol. 78, No. 1, pp. 120-122 (January 2001).
EXAMINER		DATE CONSIDERED	
<p>*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>			